

Typical Energy Costs for Household Appliances

EQUIPMENT	MONTHLY EXPENDITURE	ANNUAL EXPENDITURE	COST PER USE
HEATING			
Furnace	\$100 for 150 hours	\$460 for 700 hours	60-80 ¢/hour
Pilot Light	\$3	\$36	8-11 ¢/day
COOLING & VENTILATION			
Central Air Conditioner			
<i>Typical new</i>	\$44 for 7 hrs/day (in the summer)	\$175 for 900 hrs/yr	16-23 ¢/hour
<i>ENERGY STAR-labeled</i>	\$35 for 7 hrs/day (in the summer)	\$140 for 900 hrs/yr	13-19 ¢/hour
Wall/Room Air Conditioner	\$14 for 175 hrs/mo (in the summer)	\$55 for 700 hrs/yr	7-10 ¢/hour
Portable Fan	\$1 for 100 hrs/mo (in the summer)	\$3	1 ¢/hour
Whole House Fan	\$9 for 12 hrs/day	\$80 for 3300 hrs/yr*	2-5 ¢/hour
KITCHEN			
Range	\$4, assuming 1 hr/day	\$48	10-16 ¢/hr, per burner
Oven	\$6.60 for 40 hrs	\$82 for 500 hrs	14-19 ¢/hr
Microwave Oven	60 ¢/hr	\$11 for 8 hrs	1 ¢ for 5 mins
Dishwasher	\$4.50 for 1 cycle/day	\$54 for 360 cycles	13-18 ¢/cycle
Refrigerator			
<i>Typical 1972 model</i>	\$11	\$132	36 ¢/day
<i>Typical 1990 model</i>	\$6	\$70	19 ¢/day
<i>Typical 2000 model</i>	\$5	\$59	16 ¢/day
<i>Energy Star-labeled 2000 model</i>	\$3.50	\$43	12 ¢/day
Stand-Alone Freezer			
<i>Typical 1978 model</i>	\$6	\$75	18-23 ¢/day
<i>Typical 1997 model</i>	\$3	\$35	8-11 ¢/day
Blender	5¢, assuming 5 uses/week	less than \$1/year	less than 1¢
Toaster	10¢, assuming 1 use/day	\$1.20, assuming 1 use/day	0.3-0.4¢
Waffle Iron/Sandwich Grill	20¢, assuming 2 hours/mo	\$2.40, assuming 1 use/week	5¢ for 30 mins
Coffee Maker	\$3-4, assuming 1 use/day	\$44, assuming 1 use/day	10-14 ¢/brew

LAUNDRY

Note: Expenditures for dryers and clothes washers assume 1 load per day.

Clothes Dryer	\$11	\$135	30-45¢/load
Clothes Washer :			
hot wash & warm rinse	\$22	\$260	65-80¢/load
warm wash & cold rinse	\$7.50	\$93	20-30¢/load
cold wash & cold rinse	\$1.25	\$15	4¢/load

LIGHTING

Light bulb, single

75-watt incandescent	87¢ for 150 hrs	\$10.50 for 1825 hrs	0.5 ¢/hr
18-watt fluorescent	21¢ for 150 hrs	\$2.50 for 1825 hrs	0.1 ¢/hr
25-watt tube fluorescent	29¢ for 50 hrs	\$3.50 for 1825 hrs	0.2 ¢/hr
300-watt halogen	\$3.50 for 150 hrs	\$42 for 1825 hrs	2 ¢/hr
Night Light	10¢ for 10 hrs/day	\$1.20 for 10 hrs/day	0.3 ¢/day
Total lighting cost, typical house	\$9	\$107	25-50¢/day

WATER HEATING

Conventional water heater	\$32	\$390	90¢-\$1.30/day
Electric heat pump water heater	\$13	\$160	40-60¢/day

HOME ENTERTAINMENT

Television, 27-inch	\$1.30 for 90 hrs (3 hrs/day)	\$16 for 1000 hrs/yr	1-2¢/hr
VCR	5¢, assuming 2 movies/wk	\$1	under 1 ¢/movie
Stereo, Component System	\$1-\$1.50, assuming 10 hrs/wk	\$15, assuming 520 hrs/yr	2-4¢/hr

OTHER/MISCELLANEOUS

Clock	30-50¢	\$5	0.05 ¢/hr
Aquarium	\$2-\$4, assuming 10 hrs/day	\$40	6-10¢/day (10 hrs on/day)
Hair Dryer	\$1.20, assuming 1 use/day	\$10, assuming 1 use/day	3-5¢ per 15 min use
Christmas Lights	\$16, assuming December only	\$16, assuming December only	8¢/hr for 100 lights

* (half-time use for 10 months a year)